

(43) International Publication Date 11 August 2005 (11.08.2005)

PCT

(10) International Publication Number WO 2005/072045 A3

- (51) International Patent Classification7: C07K 19/00, A61K 38/26, 38/22, A61P 3/10, C07K 14/605, 14/595
- (21) International Application Number:

PCT/CA2005/000099

- (22) International Filing Date: 28 January 2005 (28.01.2005)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/540,803 60/540,804 30 January 2004 (30.01.2004)

US 30 January 2004 (30.01.2004) US

- (71) Applicant (for all designated States except US): WARATAH PHARMACEUTICALS, INC. [CA/CA]; 415 Yonge Street, Suite 1103, Toronto, Ontario M5B 2E7 (CA).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): CRUZ, Antonio [CA/CA]; 89 Dunloe Road, Toronto, Ontario M5P 2T7 (CA). PASTRAK, Aleksandra [CA/CA]; 120 Glenvale Boulevard, Toronto, Ontario M4G 2V9 (CA). HEW, Yin [SG/SG]; c/o Transition Therapeutics Inc., 415 Yonge Street, Suite 1003, Toronto, Ontario, Canada M5B 2E7 (SG).

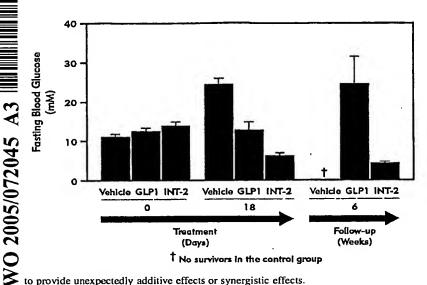
- (74) Agents: KURDYDYK, Linda et al.; McCarthy Tetrault, Suite 4700, P.O. Box 48, 66 Wellington Street West, Toronto Dominion Bank Tower (CA).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- (88) Date of publication of the international search report: 27 October 2005

[Continued on next page]

(54) Title: THE COMBINED USE OF GLP-1 AGONISTS AND GASTRIN FOR REGULATING BLOOD GLUCOSE LEVELS



to provide unexpectedly additive effects or synergistic effects.

(57) Abstract: The invention relates to compositions, conjugates, and methods for the prevention and/or treatment of a condition and/or disease comprising therapeutically effective amount of a GLP-1 agonist and a gastrin compound. The combination of a GLP-1 agonist and a gastrin compound provides beneficial effects, in particular sustained beneficial effects, in the prevention and/or treatment conditions and/or diseases for which either a GLP-1 agonist or a gastrin compound have been demonstrated to have a therapeutic effect, including but not limited to diabetes, hypertension, chronic heart failure, fluid retentive states, obesity, metabolic syndrome and related diseases and disorders. Combinations of a GLP-1 agonist and a gastrin compound can be selected

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.